

Fig. 1

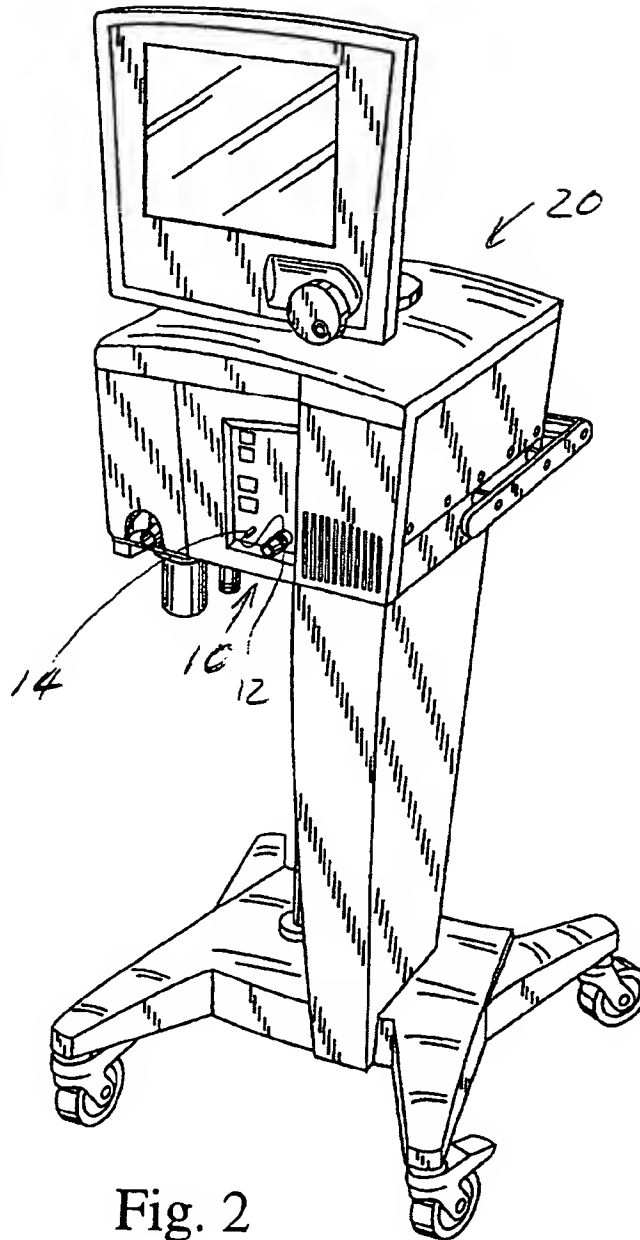


Fig. 2

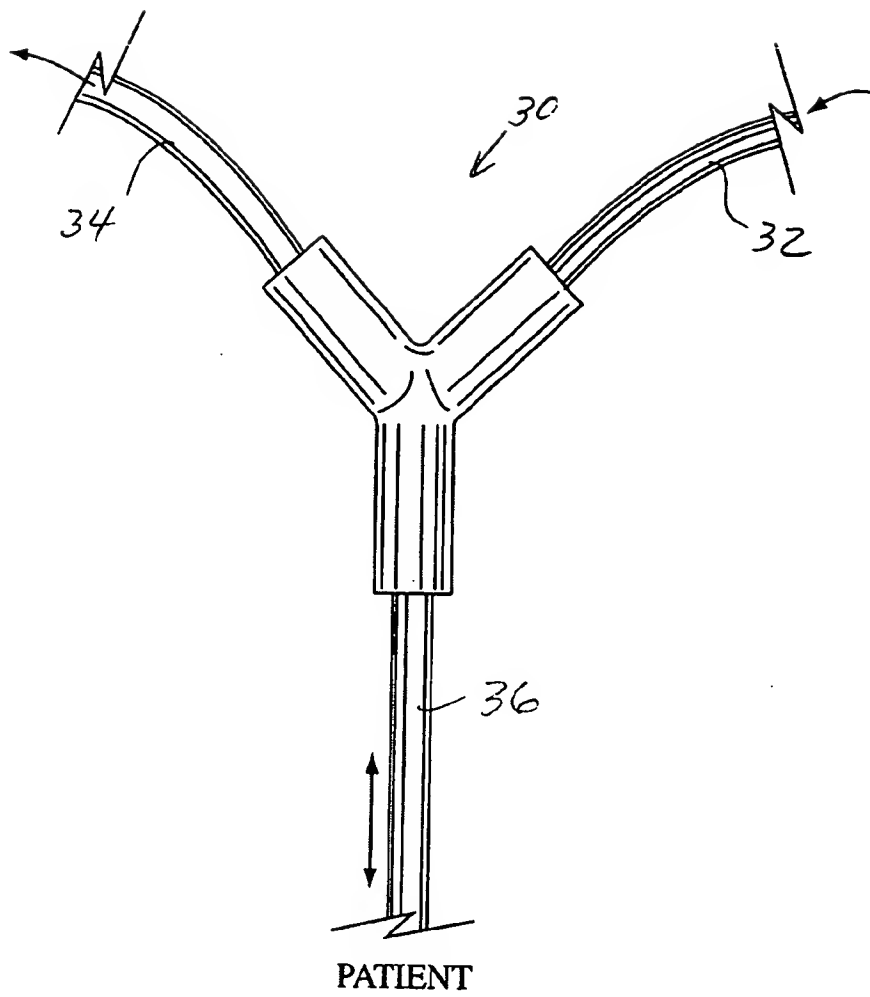


Fig. 3

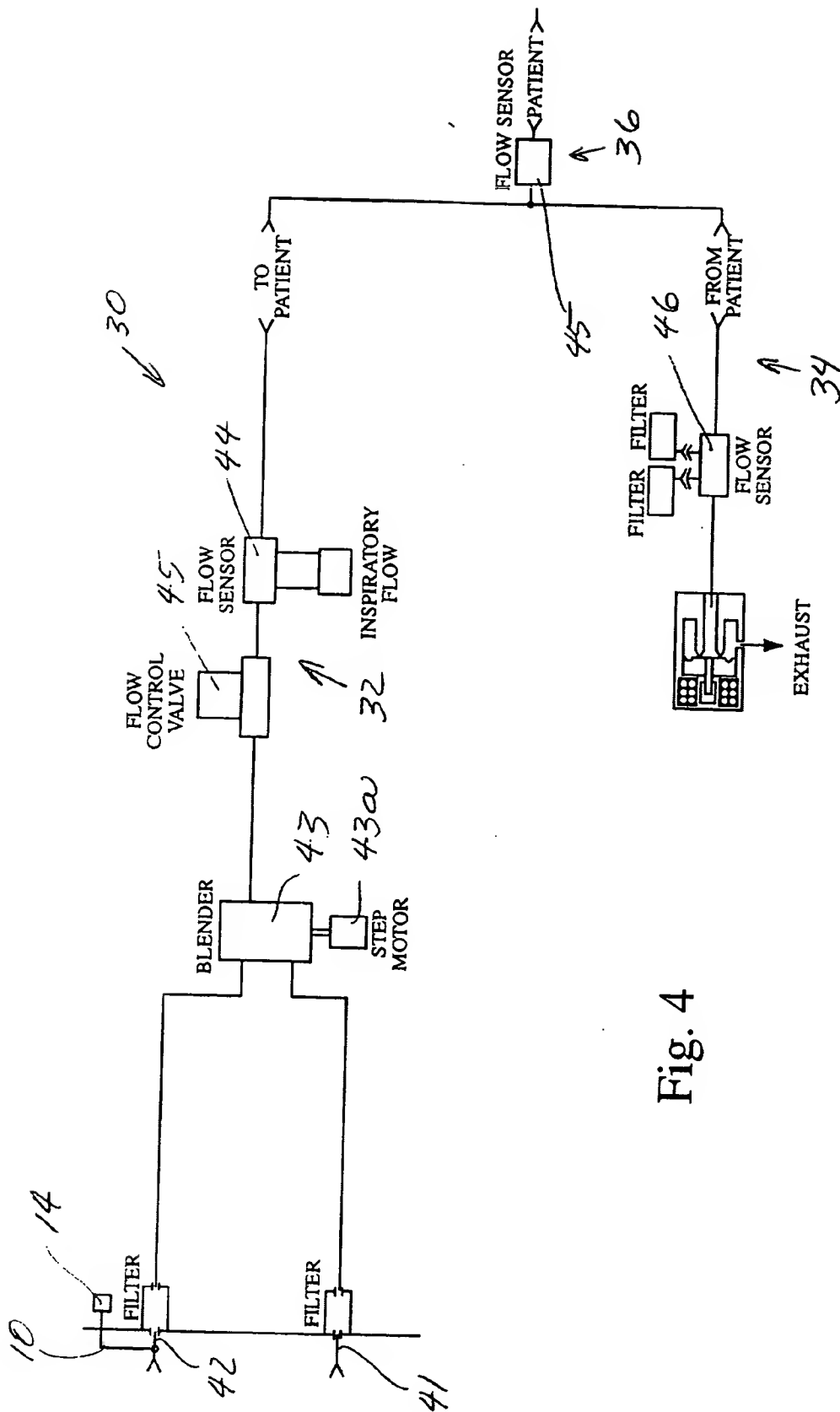


Fig. 4

Humidity, Gas Composition, Temperature and Barometric Pressure Table										
Conditions at Calibration					Actual Conditions					Correction Factor
O ₂ (%)	RH (%)	BP (psia)	T (°F)	He (%)	O ₂ (%)	RH (%)	BP (psia)	T° (F)	He (%)	
21	0	14.7	77	0	21	0	14.7	77	0	1
21	0	14.7	77	0	21	0	14.2	77	0	1.017453325
21	0	14.7	77	0	21	0	13.9	77	0	1.028374424
21	0	14.7	77	0	21	0	13.1	77	0	1.059309872
21	0	14.7	77	0	21	0	12.2	77	0	1.097687584
21	0	14.7	77	0	21	0	11.3	77	0	1.140563438
21	0	14.7	77	0	21	0	10.5	77	0	1.183215957
21	0	14.7	77	0	21	0	7.4	77	0	1.409427716
21	0	14.7	77	0	25	0	14.7	77	0	0.997359741
21	0	14.7	77	0	30	0	14.7	77	0	0.994088639
21	0	14.7	77	0	35	0	14.7	77	0	0.990849512
21	0	14.7	77	0	40	0	14.7	77	0	0.987641844
21	0	14.7	77	0	45	0	14.7	77	0	0.984465128
21	0	14.7	77	0	50	0	14.7	77	0	0.981318869
21	0	14.7	77	0	55	0	14.7	77	0	0.978202585
21	0	14.7	77	0	60	0	14.7	77	0	0.975115801
21	0	14.7	77	0	65	0	14.7	77	0	0.972058056
21	0	14.7	77	0	70	0	14.7	77	0	0.969028896
21	0	14.7	77	0	75	0	14.7	77	0	0.966027881
21	0	14.7	77	0	80	0	14.7	77	0	0.963054575
21	0	14.7	77	0	85	0	14.7	77	0	0.960108555
21	0	14.7	77	0	90	0	14.7	77	0	0.957189408
21	0	14.7	77	0	95	0	14.7	77	0	0.954296726
21	0	14.7	77	0	100	0	14.7	77	0	0.951430111
21	0	14.7	77	0	21	0	14.7	50	0	0.974520268
21	0	14.7	77	0	21	0	14.7	60	0	0.984034135
21	0	14.7	77	0	21	0	14.7	70	0	0.993456895
21	0	14.7	77	0	21	0	14.7	80	0	1.002791119
21	0	14.7	77	0	21	0	14.7	90	0	1.012039254
21	0	14.7	77	0	21	0	14.7	98	0	1.019377355
21	0	14.7	77	0	21	25	14.7	98	0	1.022321589
21	0	14.7	77	0	21	50	14.7	98	0	1.025291482
21	0	14.7	77	0	21	75	14.7	98	0	1.028287409
21	0	14.7	77	0	21	100	14.7	98	0	1.031309753

Fig. 5